

Title (en)  
Air conditioner

Title (de)  
Klimaanlage

Title (fr)  
Climatiseur

Publication  
**EP 2437009 B1 20170927 (EN)**

Application  
**EP 11155873 A 20110224**

Priority  
• JP 2010218179 A 20100929  
• JP 2010218187 A 20100929

Abstract (en)  
[origin: EP2437009A2] An air conditioner has a refrigerating cycle in which a refrigerant flows through a compressor 6, a four-way valve 8, an indoor heat exchanger 16, an expansion valve 12, an outdoor heat exchanger 14, and the four-way valve 8 in this order during heating, and also has a heat storage tank 32 that accommodates a heat storage material 36 for storing therein heat generated by the compressor 6 and a heat storage heat exchanger 34,. The air conditioner includes a heat storage bypass circuit for connecting a refrigerant pipe between the indoor heat exchanger 16 and the expansion valve 12 and a refrigerant pipe between the four-way valve 8 and an inlet port defined in the compressor 6, a defrosting bypass circuit for connecting a refrigerant pipe between the expansion valve 12 and the outdoor heat exchanger 16 and a refrigerant pipe between an outlet port defined in the compressor 6 and the four-way valve 8, and a heat storage two-way valve 42 provided in the heat storage bypass circuit. Also, a normal heating mode and a quick heating mode are provided, and a warm wind is blown out more quickly in the quick heating mode than in the normal heating mode.

IPC 8 full level  
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Cited by  
EP2894419A1; FR3016206A1; US9994238B2; US10953725B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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